In the Claims

Claims 2, 14 and 27 have been cancelled without prejudice.

Claims 1, 6, 8, 11, 13, 18, 20, 23 and 26 have been amended and Claims 30-33 have been added as follows:

1. (Currently Amended) A microplate, comprising:

a frame including a plurality of wells formed therein, said frame is manufactured from a thermoplastic material that has been mixed with a non-toxic surface active material that can enhance a lubricious property of a surface of said frame which makes it easier to handle said frame remove said frame from a thermocycler, wherein said non-toxic surface active material has a percentage of weight relative to the thermoplastic material that was determined in order to minimize extraction of said non-toxic surface active material into the wells of said frame during the operation of the thermocycler.

Claim 2 (Currently Canceled)

- 3. (Original) The microplate of Claim 1, wherein said frame can be easily removed from an injection molding machine.
- 4. (Original) The microplate of Claim 1, wherein said non-toxic surface active material is a surfactant.
- 5. (Original) The microplate of Claim 4, wherein said surfactant has a hydrophilic-lipophilic balance number which is less than two.
 - 6. (Currently Amended) The microplate of Claim 4 A microplate, comprising:
- a frame including a plurality of wells formed therein, said frame is manufactured from a thermoplastic material that has been mixed with a non-toxic surface active material that can enhance a lubricious property of a surface of said frame which makes it easier to handle said frame, wherein said non-toxic surface active material is a surfactant and wherein said surfactant is a polyoxyethylene fatty ether.
- 7. (Original) The microplate of Claim 6, wherein said polyoxyethylene fatty ether has a molecular structure of $CH_3(CH_2)_{17}$ -(OCH_2CH_2)_n-OH.

- 8. (Currently Amended) The microplate of Claim 1, wherein said non-toxic surface active material is a <u>an</u> ethoxylated fatty alcohol.
- 9. (Original) The microplate of Claim 1, wherein said non-toxic surface active material is stearyl alcohol.
 - 10. (Original) The microplate of Claim 1, wherein said thermoplastic material is polypropylene.
- 11. (Currently Amended) A multiwell plate manufactured in such a way so as to improve the ability to properly carry out a polymerase chain reaction process, said multiwell plate comprising:
- a frame including a plurality of wells formed therein, said frame is manufactured from a thermoplastic material that has been mixed with a non-toxic surface active that can enhance a lubricious property of a surface of said frame which makes it easier to remove said frame from a thermocycler, wherein said non-toxic surface active material has a percentage of weight relative to the thermoplastic material that was determined in order to minimize extraction of said non-toxic surface active material into the wells of said frame during the operation of the thermocycler.
- 12. (Original) The microplate of Claim 11, wherein said non-toxic surface active material is a surfactant with a hydrophilic-lipophilic balance number of less than two.
- 13. (Currently Amended) The microplate of Claim 11 A multiwell plate manufactured in such a way so as to improve the ability to properly carry out a polymerase chain reaction process, said multiwell plate comprising:
- a frame including a plurality of wells formed therein, said frame is manufactured from a thermoplastic material that has been mixed with a non-toxic surface active that can enhance a lubricious property of a surface of said frame which makes it easier to remove said frame from a thermocycler, wherein said non-toxic surface active material is a surfactant and wherein said surfactant is a polyoxyethylene fatty ether that has a molecular structure of CH₃(CH₂)₁₇-(OCH₂CH₂)_n-OH.

Claim 14 (Currently Canceled)

15. (Original) The microplate of Claim 11, wherein said non-toxic surface active material is stearyl alcohol.

- 16. (Original) The microplate of Claim 11, wherein said thermoplastic material is polypropylene.
- 17. (Original) The microplate of Claim 11, wherein said frame has a footprint capable of being handled by a robotic handling system.
- 18. (Currently Amended) A method for making a microplate, said method comprising the steps of:

liquefying a non-toxic surface active material;

coating pellets of thermoplastic material with said liquefied non-toxic surface active material;

extruding said pellets of thermoplastic material coated with said non-toxic surface active material to create a melt blend;

cooling said extruded melt blend;

pelletizing said cooled melt blend;

melting said pelletized melt blend;

injecting said melted blend into a mold cavity of an injection molding machine, said mold cavity includes sections shaped to form said microplate;

cooling the injected melt blend to create said microplate; and

removing said microplate from the injection molding machine, wherein the non-toxic surface active material enhances a lubricious property of a surface of said microplate which makes it easier to remove said microplate from the injection molding machine and wherein said non-toxic surface active material has a percentage of weight relative to the thermoplastic material that was determined in order to minimize extraction of said non-toxic surface active material into wells of said microplate while said microplate is located within an operating thermocycler.

19. (Original) The method of Claim 18, wherein said non-toxic surface active material is a surfactant with a hydrophilic-lipophilic balance number of less than two.

20. (Currently Amended) The method of Claim 18 A method for making a microplate, said method comprising the steps of:

liquefying a non-toxic surface active material;

coating pellets of thermoplastic material with said liquefied non-toxic surface active material;

extruding said pellets of thermoplastic material coated with said non-toxic surface active material to create a melt blend;

cooling said extruded melt blend;

pelletizing said cooled melt blend;

melting said pelletized melt blend;

injecting said melted blend into a mold cavity of an injection molding machine, said mold cavity includes sections shaped to form said microplate;

cooling the injected melt blend to create said microplate; and

removing said microplate from the injection molding machine, wherein the non-toxic surface active material enhances a lubricious property of a surface of said microplate which makes it easier to remove said microplate from the injection molding machine, wherein said non-toxic surface active material is a surfactant which is a polyoxyethylene fatty ether that has a molecular structure of CH₃(CH₂)₁₇-(OCH₂CH₂)_n-OH.

- 21. (Original) The method of Claim 18, wherein said non-toxic surface active material is stearyl alcohol.
 - 22. (Original) The method of Claim 18, wherein said thermoplastic material is polypropylene.
 - 23. (Currently Amended) A method for using a microplate, said method comprising the steps of: placing the microplate into a thermocycler, said microplate includes:
 - a frame having a plurality of wells formed therein, said microplate is manufactured from a combination of thermoplastic material and non-toxic surface active material;

operating the thermocycler so as to cycle the temperature of contents within the wells of said microplate; and

removing the microplate from the thermocycler, wherein the non-toxic surface active material enhances a lubricious property of a surface of said microplate which makes it easier to remove said microplate from the thermocycler and wherein said non-toxic surface active material has a percentage of weight relative to the thermoplastic material that was determined in order to minimize extraction of said non-toxic surface active material into the wells of said frame during the operation of the thermocycler.

- 24. (Original) The method of Claim 23, wherein said microplate is manufactured in such a way so as to improve the ability to properly carry out a polymerase chain reaction process.
- 25. (Original) The method of Claim 23, wherein said non-toxic surface active material is a surfactant with a hydrophilic-lipophilic balance number of less than two.
- 26. (Currently Amended) The method of Claim 23 A method for using a microplate, said method comprising the steps of:

placing the microplate into a thermocycler, said microplate includes:

a frame having a plurality of wells formed therein, said microplate is manufactured from a combination of thermoplastic material and non-toxic surface active material;

operating the thermocycler so as to cycle the temperature of contents within the wells of said microplate; and

removing the microplate from the thermocycler, wherein the non-toxic surface active material enhances a lubricious property of a surface of said microplate which makes it easier to remove said microplate from the thermocycler, wherein said non-toxic surface active material is a surfactant which is a polyoxyethylene fatty ether that has a molecular structure of CH₃(CH₂)₁₇-(OCH₂CH₂)_n-OH.

Claim 27 (Currently Canceled)

- 28. (Original) The method of Claim 23, wherein said non-toxic surface active material is stearyl alcohol.
 - 29. (Original) The method of Claim 23, wherein said thermoplastic material is polypropylene.
- 30. (Added) The microplate of Claim 1, wherein said non-toxic surface active material is an ester of a fatty acid.
- 31. (Added) The microplate of Claim 1, wherein said non-toxic surface active material is a solid silicone.

- 32. (Added) The microplate of Claim 1, wherein said non-toxic surface active material is a fluoropolymer.
- 33. (Added) The microplate of Claim 1, wherein said non-toxic surface active material is an internal lubricant agent.